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Amendments to the Claims

Claims 2 and 8 have been previously cancelled. Please cancel Claims 4, 14, and 15, add new Claims 16-24, and amend the remaining claims as follows:

1. (Currently Amended) A method of fabricating an MIM capacitor of high capacitance in a semiconductor device, the method comprising:

depositing an interlayer dielectric film on a metal line;

ctching the interlayer dielectric film to form an MIM capacitor forming region;

sequentially depositing a lower electrode layer comprising TiN, an insulator layer and an upper electrode layer on the interlayer dielectric film; and

etching the lower electrode layer, the insulator layer and the upper electrode layer to form an MIM capacitor, wherein a capacitance of the MIM capacitor is determined by controlling a thickness of the interlayer dielectric film.

- 2. (Canceled)
- 3. (Currently amended) A method as defined by claim 1, wherein the interlayer dielectric film is made of comprises USG or TEOS.
- 4. (Cancelled)
- 5. (Currently amended) A method as defined by claim 1, wherein the insulator layer is made of comprises TaO2, Al2O3, or SiN.

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- 6. (Currently amended) A method as defined by claim 1, wherein the upper electrode layer is made of comprises Ru, Pt, or TiN.
- 7. (Currently amended) A method of fabricating an MIM capacitor of high capacitance in a semiconductor device, the method comprising:

depositing an interlayer dielectric film on a metal line;

planarizing the interlayer dielectric film;

etching the interlayer dielectric film to form an MIM capacitor forming region;

sequentially depositing a lower electrode layer, an insulator layer and an upper electrode layer on the interlayer dielectric film; and

planarizing the lower electrode layer, the insulator layer and the upper electrode layer by an etch back process to form an MIM capacitor, wherein a capacitance of the MIM capacitor is determined by controlling a thickness of the interlayer dielectric film.

- 8. (Canceled)
- 9. (Currently amended) A method as defined by claim 7, wherein-further comprising planarizing the interlayer dielectric film is planarized by a chemical mechanical polishing (CMP) process.
- 10. (Currently amended) A method as defined by claim 7, wherein further comprising planarizing the interlayer dielectric film is planarized by an etch-back process.
- 11. (Currently amended) A method as defined by claim 7, wherein the lower electrode layer is made-of-any-one-of comprises Ti, W, or TiN.

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- 12. (Currently amended) A method as defined by claim 7, wherein the insulator layer is-made of any-one-of comprises TaQ₂, Al₂Q₃, or SiN.
- 13. (Currently amended) A method as defined by claim 7, wherein the upper electrode layer is-made-of-any-one-of comprises Ru, Pt, or TiN.
- 14. (Cancelled)
- 15. (Cancelled)
- 16. (New) A method as defined by claim 7, further comprising planarizing the interlayer dielectric film by a chemical mechanical polishing (CMP) process.
- 17. (New) A method as defined by claim 7, further comprising planarizing the interlayer dielectric film by an etch-back process.
- 18. (New) A method as defined by claim 1, wherein the insulator layer comprises SiN.
- 19. (New) A method as defined by claim 1, wherein the upper electrode layer comprises Ru.
- 20. (New) A method as defined by claim 1, wherein the upper electrode layer comprises TiN.
- 21. (New) A method as defined by claim 7, wherein the lower electrode layer comprises TiN.

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- 22. (New) A method as defined by claim 7, wherein the insulator comprises SiN.
- 23. (New) A method as defined by claim 7, wherein the upper electrode layer comprises Ru.
- 24. (New) A method as defined by claim 7, wherein the upper electrode comprises TiN.